



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
020	SEE ECN 81-0180-3	BB 2-24-81	T.SCANELLI
021	SEE ECN 81-0423-1	VM 5-7-81	F.ALLEN
022	SEE GEN ECN 80-0084	FN 6-1-82	GH 2JUNE82
023	REDESIGNED PER ECO 8751	8-13-85	JJ/KES
024	ADD DATUM A & CONCENTRIC TOL PER ECO #8852. MTG HOLE DETAIL REVISED	1-23-86	JJ/RAV
030	MAJOR CHANGE PER ECN 90-1122-1. REDRAWN IN CAD PER ECN 88-0678.	BME 1/24/91	JDD M.Y.2-25-91

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
CONTACT EXT. BUSHING	IRON-NICKEL ALLOY PER MIL-I-23011 CLASS 1 (KOVAR)	GOLD PLATE PER MIL-G-45204
HERMETIC SEAL	GLASS BEAD	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions <u>MIL-STD-348A</u>	Temperature Rating <u>-65°C To +165°C</u>
Frequency Range (GHz) <u>DC to 18</u>	<u>Fig. 310.2</u>	Vibration MIL-STD-202, Method 204, Condition D, 20G'S
Volt Rating (VRMS MAX) <u>N/A</u>	Recommended Mating Torque <u>N/A</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.06 + .01f(GHz)</u>	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 115°C
Insertion Loss (dB MAX) <u>.04√f(GHz)</u>	Insertion (MAX Lbs) <u>3.0</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>-(100 - f(GHz))</u>	Withdrawal (MIN Oz) <u>1.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>333</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	Leak Test - MIL-STD-202, Method 112, Condition C, Proc.1
Dielectric Withstanding Voltage (VRMS MIN) <u>1000 @ Sea Level</u>	Center Contact Captivation	(1 X 10 <sup>-8</sup> cc/sec/atm)
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>6.0</u>	
Center Contact <u>10.0</u>	Radial (In/Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>T.B.D.</u>	
RF High Potential (VRMS MIN @ 5 MHz) <u>667 @ Sea Level</u>		
I.R.(Megohms MIN) <u>5000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY <u>G.BEERS</u> DATE <u>10-27-80</u>		AMP Incorporated	
FRAC. DEC. ANGLES	CHECKED BY <u>K.DALY</u> DATE <u>10-30-80</u>		140 Fourth Avenue	
± 1/64 ±.005 ± °	APPROVED BY <u>T.SCANELLI</u> DATE <u>10-31-80</u>		Waltham, MA 02451-7599	
These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.	USE ASS'Y PROCEDURE	TITLE <u>OSM PANEL FEEDTHROUGH JACK RECEPTACLE WITH HERMETIC SEAL SUB-ASSY</u>		
	408-04853 NO. AP. (20-621)	SIZE <u>B</u>	CODE IDENT NO. <u>26805</u>	REV <u>030</u>
		SCALE <u>8:1</u>	<u>2058-5329-02</u>	SHEET 1 OF 1